

## CLAIMS

[1] A highly water-permeable hollow fiber type blood purifier comprising hydrophobic polymer hollow fiber membranes each of which contains a hydrophilic polymer, characterized in that the amount of the hydrophilic polymer eluted from the hollow fiber membrane is 10 ppm or less; in that the ratio of the hydrophilic polymer in the outer surface of the hollow fiber membrane is 25 to 50 mass %; in that the burst pressure of the hollow fiber membrane is 0.5 MPa or higher; and in that the coefficient of water permeability of the blood purifier is 150 ml/m<sup>2</sup>/hr./mmHg or higher.

[2] The highly water-permeable hollow fiber type blood purifier of claim 1, wherein the rate of hole area of the outer surface of the hollow fiber membrane is 8 to 25%.

[3] The highly water-permeable hollow fiber type blood purifier of claim 1 or 2, wherein the average hole area of the outer surface of the hollow fiber membrane is 0.3 to 1.0  $\mu\text{m}^2$ .

[4] The highly water-permeable hollow fiber type blood purifier of any of claims 1 to 3, wherein the non-uniformity in thickness of the hollow fiber membrane is 0.6 or more.

[5] The highly water-permeable hollow fiber type blood purifier of any of claims 1 to 4, wherein the thickness of the hollow fiber membrane is 10 to 60  $\mu\text{m}$ .

[6] The highly water-permeable hollow fiber type blood purifier of any of claims 1 to 5, wherein the mass ratio of the hydrophilic polymer to the hydrophobic polymer is 1 to 20 mass %.

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[7] The highly water-permeable hollow fiber type blood purifier of any of claims 1 to 6, wherein the hydrophilic polymer is polyvinyl pyrrolidone.

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[8] The highly water-permeable hollow fiber type blood purifier of any of claims 1 to 7, wherein the hydrophilic polymer is crosslinked to be insoluble.